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- (71) Applicant (for all designated States except US): LG  
ELECTRONICS INC. [KR/KR]; 20, Yoido-Dong,  
Youngdungpo-Gu, Seoul City 150-721 (KR).
- (72) Inventor; and  
(75) Inventor/Applicant (for US only): KIM, Hyun-Kyo  
[KR/KR]; 8-1302, Jurye Lucky Apartment, Jurye 3-dong,  
Sasang-gu, Busan City 617-763 (KR).
- (74) Agent: WOORIN PATENT FIRM; 2nd Floor, Shinwon  
Bldg., 823-14 Yeoksam-dong, Kangnam-gu, Seoul City  
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(54) Title: ANTIBIOTIC METHOD FOR PARTS OF REFRIGERATOR USING ANTIBIOTIC SUBSTANCE

(57) Abstract: A conventional part of a refrigerator containing an antibiotic substance has problems in that discoloration occurs with time, a surface of the part of the refrigerator is corroded during a manufacturing process, or the whitening effect is degraded, and production costs increase. The present invention relates to an antibiotic method for processing a part of a refrigerator using a silver-based antibiotic substance. The antibiotic method comprises the steps of forming a preform of the part to have a thickness relatively smaller than that of a finished product of the part through an extrusion process; mixing 0.05 to 0.1 % by weight of the silver-based antibiotic substance in the form of pellets with a resin based on the total weight of the resin; and forming an antibiotic layer on a surface of the preform of the part using the resin with the antibiotic substance mixed therewith. The antibiotic layer may be formed by laminating a film made of the resin with the antibiotic substance mixed therewith, or formed on the surface of the part of the refrigerator through multi-extrusion. Further, the silver-based antibiotic substance may comprise 60 to 80% by weight of an oxide of Ag ions having diameters of several dozen to hundred nanometers, 10 to 20% by weight of zirconium phosphate, and 10 to 20% by weight of a zinc oxide. According to the present invention, there are advantages in that the production costs of the refrigerator are reduced, and the antibiotic and whitening effects are improved.